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Grimes, D. I. F., Pardo-Igúzquiza, E. and Bonifacio, R. Optimal areal rainfall estimation using raingauges and satellite data 222(1-4) [1999]: 93-108

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Habets, F., Noilhan, J., Golaz, C., Goutorbe, J. P., Lacarrère, P., Leblois, E., Ledoux, E., Martin, E., Ottlé, C. and Vidal-Madjar, D. The ISBA surface scheme in a macroscale hydrological model applied to the HAPEX-MOBILHY area; Part II, Simulation of streamflows and annual water budget 217(1-2) [1999]: 97-118

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Hardy, R. J., Bates, P. D. and Anderson, M. G. The importance of spatial resolution in hydraulic models for floodplain environments 216(1-2) [1999]: 124-136

Harrington, Glenn A., Walker, Glen R., Love, Andrew J. and Narayan, Kumar A. A compartmental mixing-cell approach for the quantitative assessment of groundwater dynamics in the Otway Basin, South Australia 214(1-4) [1999]: 49-63

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Hendriks, Rob F. A., Oostindie, Klaas and Hamminga, Pim. Simulation of bromide tracer and nitrogen transport in a cracked Clay soil with the FLOCR/ANIMO model combination 215(1-4) [1999]: 94-115

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Mas-Pla, J., Montaner, J. and Solà, J. Groundwater resources and quality variations caused by gravel mining in coastal streams 216(3-4) [1999]: 197-213

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Robinson, D. A., Gardner, C. M. K. and Cooper, J. D. Measurement of relative permittivity in sandy soils using TDR, capacitance and theta probes: comparison, including the effects of bulk soil electrical conductivity 223(3-4) [1999]: 198-211

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Thompson, R. A time-series analysis of the changing seasonality of precipitation in the British Isles and neighbouring areas 224(3-4) [1999]: 169-183

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Xu, Tianfu, Samper, Javier, Ayora, Carlos, Manzano, Marisol and Custodio, Emilio. Modeling of non-isothermal multi-component reactive transport in field scale porous media flow systems 214(1-4) [1999]: 144-164

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Yu, Z., Lakhtakia, M. N., Yarnal, B., White, R. A., Miller, D. A., Frakes, B., Barron, E. J., Duffy, C. and Schwartz, F. W. Simulating the river-basin response to atmospheric forcing by linking a mesoscale meteorological model and hydrologic model system 218(1-2) [1999]: 72-91

Yue, S., Ouarda, Taha B. M. J., Bobée, Bernard, Legendre, P. and Bruneau, P. The Gumbel mixed model for flood frequency analysis 226(1-2) [1999]: 88-100

Yue, S. and Hashino, M. Unit hydrographs to model quick and slow runoff components of streamflow 227(1-4) [2000]: 195-206

Zealand, Cameron M., Burn, Donald H. and Simonovic, Slobodan P. Short term streamflow forecasting using artificial neural networks 214(1-4) [1999]: 32-48

Zeiliguer, A. see Stagnitti, F. 215(1-4) [1999]: 59-69

Zhan, Hongbin. Analytical study of capture time to a horizontal well 217(1-2) [1999]: 46-54

Zhang, T. (reviewer). General geocryology [book review] 219(1-2) [1999]: 97-99

Zhou, M. C. see Jayawardena, A. W. 227(1-4) [2000]: 93-113

Zhu, T. X., Band, L. E. and Vertessy, R. A. Continuous modeling of intermittent stormflows on a semi-arid agricultural catchment 226(1-2) [1999]: 11-29

Zlotnik, V. see Peursem, D. V. 222(1-4) [1999]: 109-122

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